

Title (en)
INTERFERENCE-REDUCED RECEIVER APPARATUS

Title (de)
STÖRUNGSREDUZIERTE EMPFÄNGERVORRICHTUNG

Title (fr)
APPAREIL RÉCEPTEUR À INTERFÉRENCES RÉDUITES

Publication
EP 1850494 A1 20071031 (EN)

Application
EP 05719291 A 20050218

Priority
JP 2005002621 W 20050218

Abstract (en)
An interference reduction receiver that is capable of realizing further high-speed great capacity radio communications is offered by accurately obtaining weights in a short time. Further, a method of determining a timing that is effective in interference removal is offered. According to the interference reduction receiver of the present invention, an input signal is despread at two or more predetermined timings, the despread signals are multiplied by predetermined weights, the weight-multiplied signals are added, and an original signal is obtained. The interference reduction receiver includes a weight generating unit for obtaining the weights by multiplying a signal correlation matrix of the input signal and a channel response vector.

IPC 8 full level
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Cited by
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